ABSTRACT OF THE DISCLOSURE

Light from an object to be picked up as condensed by a condensing lens system is made incident to be separated into two directions by a spectroscope, wherein an overall image of the object to be picked up, obtained by forming one of the separated light on a primary area pickup element through a primary image-forming lens system of an overall image pickup unit, is picked up for outputting an overall image signal. Simultaneously therewith, a part of the object to be picked up obtained by forming the other light as separated by the spectroscope on a secondary area pickup element, which is of similarly low resolution as the primary area pickup element, through a secondary image-forming lens system of a detailed image pickup unit is picked up for outputting a detailed image signal of high resolution.